

DaimlerChrysler AG

Abstract

The invention relates to a method for detecting an object in a motor vehicle environment using a detection means scanning the environment at predetermined angular increments $\varphi_{i+1}-\varphi_i$ ($i=1,2,\dots,N$).

According to the invention, when sensing a reflection signal of the object at an angle φ_i , the angular increments are refined in the angular range between the adjacent angles φ_{i-1} and φ_{i+1} as a function of the signal propagation times t_{i-1} , t_i and t_{i+1} of the reflection signals sensed at the angles φ_{i-1} , φ_i and φ_{i+1} .